To clarify what the flags mean:

-d is decimal
A decimal is any number with a decimal point, rational and irrational?
EX: [1.2, 8.343434, 54.00, 23.9287483274]

-r is real
A real number is any number, rational and irrational?
EX: [5, 2, 234, 667, 1.2, 8.343434, 54.00, 23.9280934723]

-s is string
A string of characters
EX: ["string", "new string", "yet another string 45"]

I'm trying to figure out which standard data types to use, and I do not see a difference between decimal and real. At first I thought that maybe real was referring to an integer, but that is not what a 'real' number is. I am assuming, now, that we should use:

float for -d (6 decimal places)
double for -r (15 decimal places)
char * for -s (string)